System Engineering MES for the medium sized business

QDM Quality Data Management

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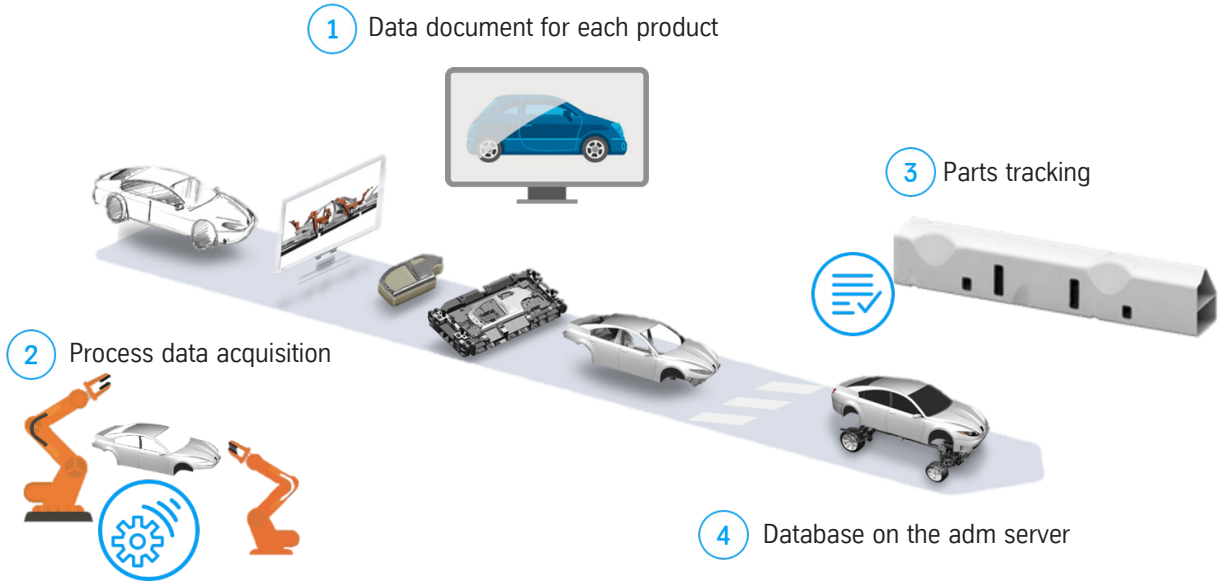


Quality control and product documentation during and after the production phase

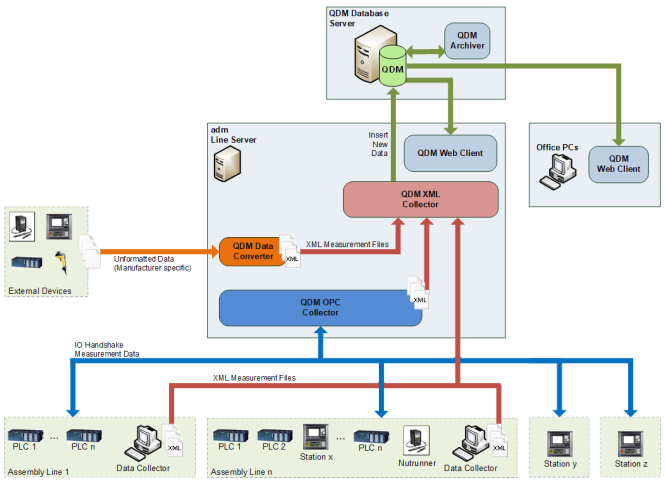
Initial situation

Quality guarantee and product liability play a key role in the series production of assemblies. Transparency in parts management and complete parts tracking minimize warranty and recall costs.

Technical description

The QDM is used to record quality data from the various stations of an assembly line. All data is stored in a database (MS-SQL-Server) on a database server (QDM-Server). The results can be evaluated via an office PC connected to the network. All evaluations necessary for quality control, maintenance and the system operators are available.

QDM linking



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Technical information	
Hardware	QDM-PC/SQL database
Network	Evaluation with Office PC
Data selection	Application of statistical methods cp/cpk values
Trend	Gradients and overlapping
OK/NOK	Distribution to a locality or operation
Top N Error	Pareto evaluation with frequency analysis
Data collector	From the RFID chip or directly from the Stations in XML format

Field of application

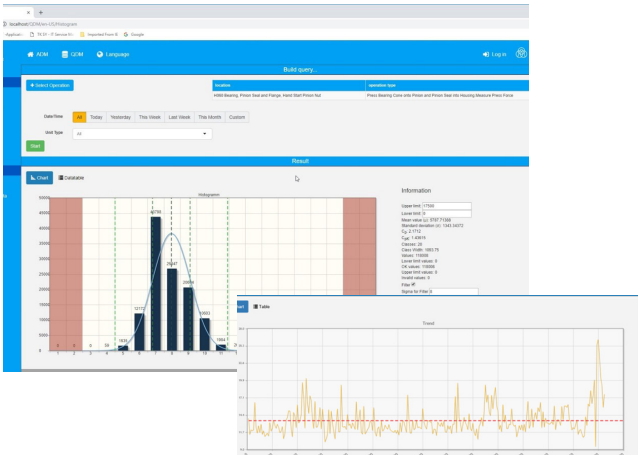
Standard evaluations, such as the "Top n faults", trends and histograms, can be called up with just a few mouse clicks.

All necessary data selections with the most varied display variants can be implemented. The integrated features for exporting data round off the openness of this system.

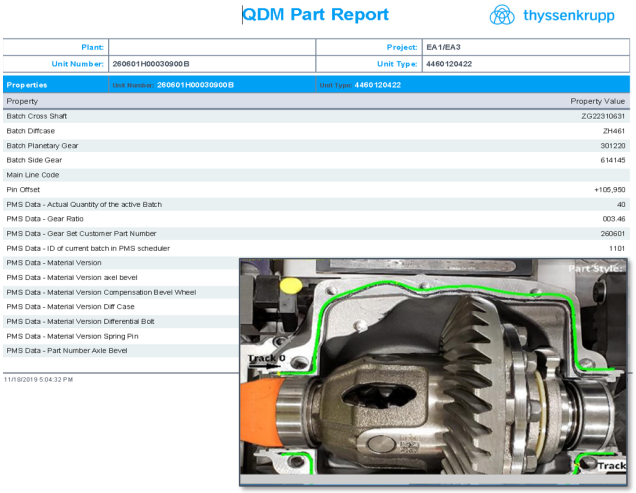
Customer benefits

- Data document for each product
- Parts traceability enables fast containment of quality-relevant components and operations
- Client server principle enables simultaneous access to the QDM data

All relevant quality data in one summary



Output and parameter selection freely configurable



Contact

thyssenkrupp System Engineering GmbH
Richard-Taylor-Straße 89
28777 Bremen, Germany
P: +49 421 6888 0

www.thyssenkrupp-system-engineering.com

For further details

Uwe Knappe
P: +49 421 6888 45940
uwe.knappe@thyssenkrupp.com